| Inde | ex of | Claims |  |
|------|-------|--------|--|
|      |       |        |  |

Application/Control No.

10/532,534

Examiner

Michael Trettel

Applicant(s)/Patent under Reexamination

BARTHELT, HANS-PETER

Art Unit

3673

| √ | Rejected |
|---|----------|
| = | Allowed  |

- (Through numeral)
Cancelled

Restricted

| Z | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | aim  | Date         |          |                  |          |              |  |              | $\neg$   |                |
|-------|--|--------------|----------|------------------|----------|--------------|--|--------------|----------|----------------|
| Final | Original                                     |              |          |                  |          |              |  |              |          |                |
|       | 1<br>2<br>3<br>4<br>5<br>6                   |              |          |                  |          |              |  |              |          |                |
|       | 2  |              |          |                  |          |              |  |              |          |                |
|       | 3  |              |          |                  |          |              |  |              |          |                |
|       | 4  |              |          |                  |          |              |  |              |          |                |
|       | 5_   | L            |          |                  | Ш        |              | <u> </u>   |              |          | Ш              |
|       | 6  | _            | _        |                  |          |              | <u> </u>   |              |          |                |
|       | 7  |              |          |                  |          | _            | <u> </u>   |              |          |                |
|       | 8  | H            | $\vdash$ |                  |          | _            | <u> </u>   |              |          | Щ              |
|       | 9<br>10                                      | -            | _        | H                | _        |              | <u> </u>   |              | -        | $\vdash$       |
|       | 11   | H            | H        | -                |          | -            | ┝  |              | -        | Н              |
|       | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 | -            |          |                  | $\vdash$ | <u> </u>     | $\vdash$   | <u> </u>     | $\vdash$ |                |
|       | 13   | H            | <u> </u> |                  | —        | $\vdash$     | $\vdash$   |              | H        | H              |
|       | 14   |              | $\vdash$ |                  |          | Н            | $\vdash$   |              |          | Н              |
|       | 15   | $\vdash$     | Г        | $\Box$           | _        |              | <del>                                     </del> |              |          | Н              |
|       | 16   |              |          |                  |          |              |  |              |          |                |
|       | 17   |              |          |                  |          |              |  |              |          |                |
|       | 18   |              |          |                  |          |              |  |              |          |                |
|       | 19   |              |          |                  |          |              |  |              |          |                |
|       | 20   |              |          |                  |          |              |  |              |          |                |
|       | 21<br>22                                     |              |          |                  |          |              |  |              |          |                |
|       | 22   |              |          |                  |          | L            |  |              |          |                |
|       | 23<br>24<br>25                               |              |          | _                |          |              |  | _            |          | Щ              |
|       | 24   | _            | _        | <u> </u>         | _        |              | <u> </u>   |              |          | Ш              |
|       | 25   | <u> </u>     |          | ļ                | _        | <u> </u>     | <u> </u>   | <u> </u>     | <u> </u> | $\vdash$       |
|       | 26<br>27<br>28                               | L            | <u> </u> | <u> </u>         |          | _            |  | <u> </u>     | _        | Н              |
|       | 27   | ļ-           | <u> </u> | $\vdash$         |          | _            | ⊢  | -            | H        | Н              |
|       | 20   | ├            | _        | ⊢                |          | ├            | ├  | ┝            | -        |                |
|       | 29<br>30                                     | $\vdash$     | -        | -                | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$     | H        | Н              |
|       | 31   | ┝            |          | -                | _        |              | $\vdash$   | $\vdash$     |          | Н              |
|       | 32   | ┢            | _        | ┢╾               |          | $\vdash$     | $\vdash$   | $\vdash$     |          | Н              |
|       | 32<br>33                                     | ╌            | _        | _                |          | _            | _  |              |          | $\vdash$       |
|       | 34   |              |          |                  |          | _            | Η.   | $\vdash$     |          | П              |
|       | 35   |              |          |                  |          |              |  |              |          |                |
|       | 36   |              |          |                  |          |              |  |              |          |                |
|       | 37<br>38                                     |              |          |                  |          |              |  |              |          |                |
|       | 38   |              |          |                  |          |              |  |              |          |                |
|       | 39   | 匚            |          |                  |          |              |  |              | _        |                |
|       | 40   | ļ            |          |                  |          |              |  |              | ļ        |                |
|       | 41   | <u> </u>     |          |                  | _        | <u> </u>     | _  | _            | <u> </u> | H              |
|       | 42   |              |          |                  |          |              |  | -            |          | $\vdash$       |
|       | 43<br>44                                     | <del> </del> | $\vdash$ | ⊢                | -        | ├-           |  | <del> </del> | $\vdash$ | Н              |
|       | 45   | <del> </del> |          | $\vdash$         | _        | $\vdash$     | $\vdash$   | ⊢            | $\vdash$ | $\vdash\vdash$ |
| -     | 46   | $\vdash$     | $\vdash$ | $\vdash$         |          | <del> </del> | $\vdash$   | ├            | ├        |                |
|       | 47   | $\vdash$     |          | -                | -        |              | H  | -            | -        | $\vdash$       |
|       | 48   | $\vdash$     | $\vdash$ | <del>  -  </del> | ┢        | <del> </del> | $\vdash$   | $\vdash$     | $\vdash$ | Н              |
|       | 49   | $\vdash$     |          | $\vdash$         | $\vdash$ |              |  |              | Н        | H              |
|       | 50   | $\vdash$     | $\vdash$ |                  |          |              |  |              | T        | Н              |
|       |  |              |          |                  |          |              |  |              |          |                |

| Cla         | im             | _       |  | -            |   | Date | •        |  |          |          |
|-------------|----------------|---------|--|--------------|---|------|----------|--|----------|----------|
|             |                |         |  |              |   |      |          |  |          |          |
| Final       | Original       | 4/23/07 |  |              |   |      |          |  |          |          |
|             | 51             |         |  | _            |   |      |          |  | -        |          |
| <b>—</b>    | 52             | _       | _  | _            | _ |      | _        |  |          | _        |
| <u> </u>    | 52<br>53       |         |  |              |   | _    |          | -  | H        |          |
| <b></b>     | 54             | =       |  |              |   |      |          |  | -        |          |
| <del></del> | 55             |         | _  |              |   |      |          | -  | $\vdash$ |          |
| <u> </u>    | 56             | =       | -  | _            |   |      | _        | _  |          |          |
| <u> </u>    |                | =       | -  |              |   | _    | $\vdash$ |  | _        |          |
| <u> </u>    | 57             | =       |  |              |   |      |          |  |          |          |
|             | 58             | =       |  | _            |   |      |          |  |          |          |
| <u> </u>    | 59             | =       |  |              |   |      |          |  |          |          |
| <u> </u>    | 60             | Ξ       |  |              |   |      |          |  |          |          |
|             | 61             | =       |  |              |   |      |          |  |          |          |
|             | 62             | =       |  |              |   |      |          |  |          |          |
| L           | 63             | =       |  | _            |   |      |          |  |          |          |
|             | 64             | =       |  |              |   |      |          |  |          |          |
|             | 65             | 11      |  |              |   |      |          |  |          |          |
|             | 66             | =       |  |              |   |      |          |  |          |          |
|             | 67             | =       |  |              |   |      |          |  |          |          |
|             | 68             | =       |  |              |   |      |          |  |          |          |
|             | 69             | ╘       | H  |              |   |      |          | H  |          |          |
|             | 70             | ╘       |  |              |   |      |          | F  |          |          |
| $\vdash$    | 71             | =       | ├─   |              | - |      | -        | $\vdash$   |          |          |
|             | 72             | 7       | -  | _            | _ | _    |          | -  | -        |          |
| $\vdash$    | 72             |         | ┝  |              |   |      | _        | $\vdash$   |          |          |
|             | 72<br>73<br>74 | 0       | -  |              |   |      | _        |  | _        | _        |
|             | 74             | ٥       | <u> </u>   | _            |   |      | $\vdash$ | $\vdash$   | <u> </u> |          |
|             | 75<br>76       | 0       | <u> </u>   |              |   |      |          | _  |          |          |
| <u> </u>    | /6             | 0       |  | _            | _ | _    |          | _  |          |          |
|             | 77             | ٥       | <u> </u>   |              |   |      | $\vdash$ | _  |          |          |
|             | 78<br>79       | 0       | ļ  |              |   |      |          | _  | _        |          |
|             | 79             | ٥       | <u> </u>   |              |   |      |          | _  |          |          |
| <u></u>     | 80             | ٥       |  |              |   | _    |          |  |          |          |
|             | 81             | 0       | _  |              |   |      |          |  |          |          |
|             | 82             | 0       |  |              |   |      |          |  |          |          |
|             | 83             | 0       |  |              |   |      |          |  |          |          |
|             | 84             | 0       |  |              |   |      |          |  |          |          |
|             | 85             | 0       |  |              |   |      |          |  |          |          |
|             | 86             | 0       |  |              |   |      |          |  |          |          |
|             | 87             | 1       |  |              |   |      |          |  |          |          |
|             | 88             | 0       |  |              | , |      |          |  |          |          |
|             | 89             | 0       |  |              |   |      |          |  |          |          |
|             | 90             | =       | $\Box$   |              |   |      |          |  |          |          |
|             | 91             | =       | <u> </u>   |              |   |      | Г        |  |          |          |
|             | 92             | =       |  |              |   |      |          |  |          | _        |
|             | 93             | =       | l -  |              |   |      | $\vdash$ | <u> </u>   |          |          |
|             | 94             | =       | $\vdash$   |              |   | П    | $\vdash$ |  | Г        |          |
|             | 95             | =       | $\vdash$   |              |   |      | $\vdash$ |  | $\vdash$ |          |
|             | 96             | =       | <del>                                     </del> | $\vdash$     | _ |      | $\vdash$ | $\vdash$   | Г        |          |
| <b></b>     | 97             | =       | $\vdash$   |              | Н |      | $\vdash$ | $\vdash$   | $\vdash$ | -        |
| $\vdash$    | 98             | =       |  |              | - | Н    | Ι        | <del> </del>                                     | -        | $\vdash$ |
| $\vdash$    | 99             | =       | $\vdash$   | $\vdash$     |   |      | $\vdash$ | <del>                                     </del> | $\vdash$ |          |
| $\vdash$    | 100            | =       | $\vdash$   | <del>-</del> | Н | -    | $\vdash$ | $\vdash$   | $\vdash$ |          |
| 1           | וטטון          | ı – :   | 1  |              | 1 |      | ı        | I  | 1 .      |          |

| Te   Do   Do   Do   Do   Do   Do   Do   D   | Cla | Date |              |          |  |              |  |  |              |          |                 |
|---|-----|------|--------------|----------|--|--------------|--|--|--------------|----------|-----------------|
| 104 V 105 V 106 V 107 108 109 110 111 1 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 145 146   |     |      |              |          |  |              |  |  |              | Ü        |                 |
| 104 V 105 V 106 V 107 108 109 110 111 1 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 145 146   |     | 101  | 1            |          |  |              |  |  |              |          |                 |
| 104 V 105 V 106 V 107 108 109 110 111 1 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 145 146   |     | 102  | 1            |          |  |              | -  |  |              |          |                 |
| 104 V 105 V 106 V 107 108 109 110 111 1 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 145 146   |     | 103  | 1            |          |  |              |  |  |              |          |                 |
| 106 √       107         108 109       110         110 111       112 113         113 114       115 116         116 117       118 119 120         121 122 123 123 124 125 125 126 127 128 129 130 131 131 132 133 134 135 133 134 135 136 136 137 138 139 140 141 141 142 144 145 146 146       140 141 142 144 145 146 146   |     | 104  | 1            |          |  |              |  | ·  |              |          |                 |
| 108       109         110       111         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         145       146   |     | 105  | 1            |          |  |              |  |  |              |          |                 |
| 108       109         110       111         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         145       146   |     | 106  | 1            |          |  |              |  |  |              |          |                 |
| 108       109         110       111         111       112         113       114         115       116         117       118         119       120         121       122         123       124         125       126         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         145       146   |     | 107  |              |          |  |              |  |  |              |          | Ш               |
| 110       111         111       112         113       114         115       116         117       118         119       120         121       121         122       123         124       125         126       127         128       129         130       131         132       133         134       135         136       137         138       139         140       141         143       144         145       146   |     | 108  |              | _        |  |              | <u> </u>   | _  |              |          | Ц               |
| 111       112         113       114         115       116         117       118         119       120         121       122         123       124         127       128         129       130         131       132         133       134         135       136         137       138         139       140         141       142         143       144         145       146   |     | 109  |              |          | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |              | _  |  |              |          | Ш               |
| 116       117         118       119         120       121         122       123         124       125         126       127         128       129         130       131         132       133         133       134         135       136         137       138         139       140         141       142         143       144         145       146   |     | 110  | _            |          | _  |              | _  |  | _            | _        |                 |
| 116       117         118       119         120       121         122       123         124       125         126       127         128       129         130       131         132       133         133       134         135       136         137       138         139       140         141       142         143       144         145       146   |     | 111  |              |          | <u> </u>   |              | <u> </u>   | -  |              | _        |                 |
| 116       117         118       119         120       121         122       123         124       125         126       127         128       129         130       131         132       133         133       134         135       136         137       138         139       140         141       142         143       144         145       146   |     | 112  | $\vdash$     |          | $\vdash$   | ⊢            | <del> </del>                                     | -  | <del> </del> | $\vdash$ | $\vdash \vdash$ |
| 116       117         118       119         120       121         122       123         124       125         126       127         128       129         130       131         132       133         134       135         136       137         138       139         140       141         143       144         145       146   |     | 114  |              | <u> </u> | $\vdash$   |              | <u> </u>   | -  |              | $\vdash$ | $\vdash$        |
| 116       117         118       119         120       121         122       123         124       125         126       127         128       129         130       131         132       133         133       134         135       136         137       138         139       140         141       142         143       144         145       146   |     | 115  | <u> </u>     | -        | $\vdash$   |              | $\vdash$   | $\vdash$   |              | $\vdash$ | $\vdash$        |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |     | 116  |              | H        | <del> </del>                                     |              | ├  | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$        |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |     | 117  |              | $\vdash$ | <u> </u>   | $\vdash$     | $\vdash$   |  | Н            |          |                 |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |     | 118  |              |          |  |              | <u> </u>   |  | ·            |          | $\vdash$        |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 119  | $\vdash$     |          |  |              |  |  |              |          | П               |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 120  | 1            | _        |  |              |  |  |              |          |                 |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 121  |              |          |  | _            |  |  |              |          |                 |
| 125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |     | 122  |              |          |  |              |  |  |              |          |                 |
| 125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |     | 123  |              |          |  |              |  |  |              |          |                 |
| 125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146 |     | 124  |              |          |  |              |  |  |              |          |                 |
| 127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146  |     | 125  |              |          |  |              |  |  |              |          |                 |
| 128   |     | 126  |              |          |  | L            |  |  | <u> </u>     |          | Ш               |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 127  |              |          | _  | L            |  |  |              |          | Щ               |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 128  | _            | _        | <u> </u>   | <u> </u>     |  | _  |              |          |                 |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 129  |              |          | <u> </u>   | _            | _  | L  | <u> </u>     |          | Щ               |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 130  | <u> </u>     |          | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>     | _        |                 |
| 133   |     | 131  | ļ            |          | ┡  |              | <u> </u>   | _  |              |          | Щ               |
| 135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146  |     | 132  | $\vdash$     | ļ        | <u> </u>   | -            | -  | $\vdash$   | <u> </u>     | <u> </u> | Н               |
| 135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146  |     | 134  | <del> </del> | <u> </u> | ├  |              |  |  | <u> </u>     |          | $\vdash$        |
| 136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 135  | $\vdash$     |          | $\vdash$   | $\vdash$     | $\vdash$   |  | $\vdash$     |          | $\vdash$        |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146  |     | 136  | $\vdash$     | —        | ┢  | <del> </del> | <del>                                     </del> | <del>                                     </del> | -            | $\vdash$ | $\vdash$        |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146  |     | 137  | $\vdash$     |          | <del>                                     </del> |              | Η-   | $\vdash$   | ┢            |          | $\vdash \vdash$ |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146  |     | 138  |              |          |  | $\vdash$     | $\vdash$   | Г  | Т            |          | $\sqcap$        |
| 140<br>141<br>142<br>143<br>144<br>145<br>146   |     | 139  |              |          |  |              |  |  |              |          |                 |
| 141<br>142<br>143<br>144<br>145<br>146  |     | 140  |              |          |  | Г            |  |  |              |          | $\Box$          |
| 143<br>144<br>145<br>146  |     | 141  |              |          |  |              |  |  |              |          |                 |
| 144   |     |      |              |          |  |              |  |  |              |          |                 |
| 145   |     |      |              |          |  |              |  | 匚  |              |          |                 |
| 146   |     |      | <u> </u>     |          | _  |              | <u> </u>   |  | L.           | <u> </u> | Ш               |
|   |     |      | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>     |  | <u> </u>   | <u> </u>     | _        | Щ               |
|   |     |      | <u> </u>     | <u> </u> | <u> </u>   | <u> </u>     | <u> </u>   |  | <u> </u>     | <u> </u> | Ш               |
|   |     |      | <u> </u>     | _        | <u> </u>   | <u> </u>     | <del> </del>                                     | <u> </u>   | <u> </u>     |          | $\vdash$        |
| 148   | ļ   |      | ├            | -        | -  | <u> </u>     | <u> </u>   | <b>—</b>   | ļ            |          | $\vdash \vdash$ |
| 149   | -   |      | $\vdash$     | $\vdash$ | $\vdash$   | ┡            | $\vdash$   | $\vdash$   | $\vdash$     | <u> </u> | Н               |
|   |     | 130  |              | <u> </u> | Щ  | <u> </u>     | <u> </u>   | Щ  | <u> </u>     | L        | LJ              |